

## Curriculum Vitae, April 2013

**Frederick William Miller, M.D., Ph.D.**

### BUSINESS ADDRESS

Chief, Environmental Autoimmunity Group  
Office of Clinical Research  
National Institutes of Environmental Health Sciences (NIEHS)  
National Institutes of Health, DHHS  
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### MAJOR RESEARCH INTERESTS

Genetic and Environmental Risk Factors and Pathogenesis of Immune-mediated Diseases  
Outcome Assessment and Therapy of Autoimmune Disorders

### EDUCATION

1969	Salutatorian, Troy High School, Troy, OH
1973	B.A., Zoology, with minor in Chemistry, <i>Summa cum laude</i> , General Honors, Miami University, Oxford, OH
1979	M.D., Ph.D., Medical Scientist Training Program, Department of Anatomy and Developmental Biology Center, Case Western Reserve University School of Medicine, Cleveland, OH

### PROFESSIONAL EXPERIENCE

Since 2001	Chief, Environmental Autoimmunity Group, Office of Clinical Research, DIR, NIEHS, NIH, Bethesda, MD, Tenured Senior Investigator, Captain, US Public Health Service Research Officer Group.
10/11-02/13	Acting Clinical Director, NIEHS
11/96-2000	Senior Investigator and Medical Officer – Clinical and Product Reviewer, Laboratory of Molecular and Developmental Immunology, Division of Monoclonal Antibodies, CBER, FDA, Bethesda, MD.

10/93-10/96	Senior Investigator and Medical Officer – Clinical and Product Reviewer, Molecular Immunology Laboratory, Division of Cellular and Gene Therapies, CBER, FDA; Tenured Senior Investigator, US Public Health Service Research Officer Group 1994.
12/90-09/93	Senior Investigator and Medical Officer - Clinical and Product Reviewer, Division of Biochemistry and Biophysics, CBER, FDA, Bethesda, MD.
08/86-11/90	Senior Staff Fellow and Clinical Associate - Arthritis and Rheumatism Branch, NIAMS, NIH, Bethesda, MD.
07/83-07/86	Medical Staff Fellow (Rheumatology Fellowship) - Arthritis and Rheumatism Branch, NIAMS, NIH, Bethesda, MD.
07/81-06/83	Medical Resident - Department of Medicine, Stanford University Medical Center, Stanford, CA.
07/80-06/81	Clinical Research Fellow - Clinical Research Facility, Emory University Medical Center, Atlanta, GA.
07/79-06/80	Medical Intern - Department of Medicine, Emory University School of Medicine Affiliated Hospitals, Atlanta, GA.

#### **LICENSURE AND CERTIFICATION**

1980	National Board of Medical Examiners
1981	California Medical License #45861 (inactive)
1983	Maryland Medical License #D30329
1983	American Board of Internal Medicine
1990	Board Certified in Rheumatology
2000	Board Certified in Rheumatology

#### **SELECTED MEMBERSHIPS OF PROFESSIONAL SOCIETIES**

Fellow, American College of Physicians  
 Fellow, American College of Rheumatology  
 Member, American Association of Immunologists  
 Member, the Society for Clinical and Translational Science  
 Member, International Myopain Society  
 Member, Henry Kunkel Society  
 Member, District of Columbia Rheumatism Society

#### **SELECTED PROFESSIONAL HONORS AND RECOGNITION**

2009-13	Elected to Best Doctors in America
2008	Selected for listing in American Men and Women of Science
2007	Hero Award, the Cure Juvenile Myositis Foundation, for "Dedication to Finding a Cure for Juvenile Myositis"
2005	The Dunlop-Dotteridge Lectureship, Canadian Rheumatology Assoc., Mt. Tremblant

2005	NIH Merit Award for participation on the NIEHS Strategic Planning Workgroup
2003	The Kovacs Lectureship, the Royal Society of Medicine, London
2000	Elected member of the Henry Kunkel Society
2000	First elected to Best Doctors in America
1999	US Public Health Service Meritorious Service Medal
1999	US Public Health Service Outstanding Unit Citation
1998	US Public Health Service National Vaccine Program Award
1998	US Public Health Service Unit Commendation Medal
1997	FDA Office of Woman's Health Grant recipient
1994	Elected Fellow, American College of Rheumatology
1992	FDA Office of Woman's Health Grant recipient
1989	William R. Felts Award for Excellence in Rheumatology Research
1986	American College of Rheumatology Senior Fellow Research Award
1985	Elected Fellow, American College of Physicians
1979	Hughes Research Award, Case Western Reserve University
1974-77	National Research Service Awards, Case Western Reserve University
1973	Selected as NIH Trainee - Fertilization & Gamete Physiology Training Program, Marine Biology Laboratory, Woods Hole, MA
1973	B.A., <i>Summa cum laude</i> , General Honors, Miami University
1973	Elected to Phi Beta Kappa Honor Society, Miami University
1973	Hughes Chemistry Award, Miami University
1972	Culler Physics Award, Miami University
1971	Elected to Phi Beta Sigma Honor Society, Miami University
1971-72	Alan Brewer Memorial Scholarships, Miami University
1969-70	John Rawlings Memorial Scholarships, Miami University

## MENTORSHIP ACTIVITIES

Directed research projects and mentored dozens of undergraduate students, PhD thesis candidates, graduate students, medical students, postdoctoral fellows, clinical research fellows, visiting scientists, guest workers and summer students at the Food and Drug Administration and National Institutes of Health (1983-present)

## SELECTED SCIENTIFIC LEADERSHIP AND COMMITTEE WORK

### NIH, FDA and other Federal Agencies

2012- Present	Co-Chair, NIEHS Inflammation Cross-Divisional Implementation Planning Committee
2012-Present	Member, NIH Clinical Trials Working Group
2012-Present	Member, NIH Earl Stadtman Investigator Review Committee on Immunology
2011- Present	Member, NIEHS Search Committee, Clinical Director NIEHS
2011-Present	Member, NIEHS Title 42 Pay Committee
2010-Present	Member, NIEHS Committee on Tenure and Promotions I

2011-2012	Chair, NIEHS Search Committees, EAG and Clinical Research Unit Staff Clinicians
2010-2011	Member, NIEHS Search Committee, EAG Staff Clinician
2009-Present	Member, NIEHS Clinical Research Unit Contract Resource Review Committee
2008-Present	Chair, NIEHS Clinical Center Utilization Review Committee
2011-Present	Member, NIEHS Environmental Polymorphism Registry Steering Committee
2008-Present	Member, NIEHS Clinical Advisory Council
2005-2006	Member, NIEHS Strategic Planning Forum Steering Committee
2008-Present	Member, NIH Biomedical Translational Research Information System (BTRIS) Group
2006-Present	Member, NIH Clinical Research Center Medicine Partners Committee
2006-Present	Member, NIH National Quality Forum
2008-Present	Member, NIH Translational Research Interest Group Steering Committee
2007-Present	Member, NIH Center for Human Immunology Scientific Advisory Committee
2005-Present	Member, Trans-NIH Bioethics Committee
2005-2010	Member, NIH Roadmap Clinical and Translational Sciences Working Group
2003-2005	Member, NIH Roadmap Translational Core Working Group
2003-2005	Member, NIH Roadmap Regional Translational Research Center Working Group
2003-2011	Member, NIH Chronic Graft-Versus-Host Disease Response Criteria Working Group
2006	Member, NIEHS Search Committee, Staff Clinician, Clinical Research Unit
2005	Member, NIEHS Search Committee, Tenure-Track Clinical Investigator in host defense
2003	Member, NIEHS Search Committee, Tenure-Track Clinical Investigator in Gynecology
2002	Member, NIEHS Search Committee, Staff Clinician, Environmental Autoimmunity Group
2001-Present	Alternate Member, NIH Medical Executive Committee
1985-Present	Member, NIH Immunology Interest Group
2012-Present	Principal Investigator, the NIEHS Environmental Factors in Myositis in the Military
2010-Present	Principal Investigator, the NIEHS Environmental Factors in the Anti-synthetase Syndrome
2006-Present	Principal Investigator, the NIEHS Rituximab in Myositis Trial
2005-Present	Principal Investigator, the NIEHS Natural History of Autoimmune Diseases Study
2003-Present	Principal Investigator, the NIEHS Twin-siblings Systemic Autoimmunity Study
1995-2005	Principal Investigator, the FDA Silicone associated Connective Tissue Disease Study
1993-2005	Principal Investigator, the FDA Natural History of Autoimmune Diseases Study
1993-2005	Principal Investigator, the FDA Myositis Developing after Vaccination Study
1993-2003	Principal Investigator, the FDA Myositis Developing after Silicone Implants Study
1987-1997	Principal Investigator, the NIAMS High Dose Methotrexate in Myositis Study
1986-1990	Principal Investigator, the NIAMS Apheresis in Myositis Trial
1986-1989	Principal Investigator, the NIAMS Cyclophosphamide in Myositis Trial
1993-2006	Principal Investigator, the FDA Myositis Developing after Vaccination Study

1999-2002	Principal Investigator, the FDA Familial Myositis Study
1993-2003	Principal Investigator, the FDA Myositis Developing after Silicone Implants Study
1993-2003	Principal Investigator, the FDA Myeloma and MGUS following Silicone Implants Study
2001-Present	Associate Investigator, the NIEHS Natural History of Adult and Juvenile Myositis Study
1999-Present	Associate Investigator, the NIAMS Infliximab in Myositis Study
1985-Present	Associate Investigator, the NIAMS Natural History of Myositis Study
1988-1993	Associate Investigator, the NIAMS Familial Autoimmunity Study
2002-2008	Associate Investigator, the NIDR Soft Tissue Calcification Study
2001-2009	Associate Investigator, the FDA Rheumatoid Arthritis after Lyme Vaccine Study
1994-2002	Member, FDA Rheumatology Working Group
2000-2004	Member, FDA Vascular Injury Expert Working Group
1992-1999	Member, DHHS Silicone Breast Implant Research Task Force
1996-2000	Member, Armed Forces Institute of Pathology Scientific Advisory Board, Washington, DC
1997-2002	Member, DHHS Interagency Temporal Mandibular Disorder Working Group
1999-2002	Reviewer, Veterans Administration Research Merit Review Board
1994-1998	Member, IRB Committee, Walter Reed Army Medical Center, Washington DC
1990-2001	Medical Staff Guest Worker, Principal Clinical Investigator, NIH Clinical Center, Arthritis and Rheumatism Branch, NIAMS
1996-2000	Elected representative, Committee to Advance CBER Science, FDA
1994-2002	Clinical IND and BLA Reviewer, Division of Clinical Trials, CBER, FDA
1990-2002	Product IND and BLA Reviewer, Division of Cell and Gene Therapy and Div. of Monoclonal Antibodies, CBER, FDA
1997-1998	Chair, FDA Biologics Licensing Application Committee, Simulect™
1995-1999	Chair, FDA Electronic IND (eIND) Working Group
1993-1995	Chair, FDA Gene Therapy Information Network Working Group
1992-1995	Chair, Rheumatology Focus Group, Division of Clinical Trials, CBER, FDA
1996-1998	Member, FDA IND Communications Working Group
1993-1999	Project leader and author, FDA Guidance to Industry regarding the pilot eIND Program
1998	Project member and co-author, FDA Guidance to Industry regarding developing therapies for rheumatoid arthritis
1997	Project member and contributing author, FDA Guidance to Industry regarding electronic submissions of patient case report forms and case report tabulations
1991-2002	Member, FDA FiRST Initiative
1990-2002	Advisor, FDA Office of the Commissioner and FDA Centers Coordination Committee – focusing on regulatory issues relating to autoimmunity and genetic risk factors for adverse events

### **Nationally and Internationally**

2009-Present	Member, Connective Tissue Disease Related Interstitial Pulmonary Fibrosis OMERACT Group
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2009-Present	Chair, The International Myositis Assessment and Clinical Studies Group (IMACS) Research Review Committee
2009-Present	Chair, The International Myositis Assessment and Clinical Studies Group (IMACS) Outcomes Repository Committee
2007-Present	Co-founder and Co-director, The Pan-American Congress of Rheumatism (PANLAR) Myositis Consortium
2006-Present	Founder and Director, The Myositis Genetics Consortium (MYOGEN)
2009-2011	Member, Scientific Work Group, Natl. Conversation on Public Health and Chemical Exposures
2005-2006	Category Chair, Myopathies, American College of Rheumatology National Meeting Abstract Selection Committee
2010-2013	Category Chair, Myopathies, American College of Rheumatology National Meeting Abstract Selection Committee
2003-Present	Co-organizer and Member, Steering Committee, ACR-EULAR International Myositis Classification Criteria Project
2000-Present	Founder and Director, the Environmental Myositis Collaborative Study Group
2000-Present	Co-founder and Co-Director, The International Myositis Assessment and Clinical Studies Group (IMACS)
1995-Present	Co-founder, the Childhood Myositis Heterogeneity Collaborative Study Group
1995-Present	Co-founder, the Childhood Myositis Disease Activity Collaborative Study Group,
2009-Present	Member, National Conversation on Public Health and Chemical Exposures, Scientific Understanding Work Group Membership
2009-Present	Member, Publications Committee, the NIAMS Rituximab in Myositis Trial
2004-Present	Member, Research Review Committee, The NIAMS Rituximab in Myositis Trial
2004-2009	Member, Adjudication Committee, The NIAMS Rituximab in Myositis Trial
2002-Present	Member, Steering Committee, The NIAMS Rituximab in Myositis Trial
2004-Present	Scientific reviewer, The Myositis Association Grants Program
2007-2008	Member, Nominations Committee, The Myositis Association
2000-2008	Member, Medical Advisory Board, The Myositis Association
2000-2004	Member, Board of Directors and Medical Advisory Board Vice-Chair, The Myositis Association
1996-2003	Invited presenter, NAS Institute of Medicine Silicone Scientific Review Committee
1996-2003	Member, OMERACT Toxicity Assessment Task Force
1994- 1999	Founder and Chair, American College of Rheumatology Environmentally-Associated Rheumatic Diseases Study Group
1990-1991	Member, ACR National Meeting Myositis Abstract Selection Committees
1992-1996	Member, ACR National Meeting Myositis Abstract Selection Committees
1996-2003	Member, Juvenile Dermatomyositis Registry Advisory Board
1996-1998	Selected presenter, American College of Rheumatology Meet the Expert Series, Myositis and Myopathies
2001-2003	Selected presenter, American College of Rheumatology Meet the Expert Series, Myositis and Myopathies
1994-1996	Board Member/Advisor, the National Dermatomyositis Support Group
1993-Present	Founder and Director, the International Myositis Collaborative Study Group

## SELECTED ORGANIZATION OF WORKSHOPS, SYMPOSIA, CONFERENCES

- Co-organizer, The International Myositis Assessment and Clinical Studies (IMACS) Meeting, Washington, DC, November 12, 2012
- Steering Committee, Organizer and Speaker, The NIEHS Expert Panel Workshop to Examine the Role of the Environment in Autoimmune Diseases, Durham, NC, September 7-8, 2010
- Co-organizer and co-moderator, The International Myositis Assessment and Clinical Studies (IMACS) Meeting, Atlanta, GA, November 7, 2010
- Co-organizer, NIEHS Symposium on the Environment and Autoimmune Diseases, Durham, NC, September 8-10, 2010
- Co-organizer and co-moderator, The International Myositis Assessment and Clinical Studies (IMACS) Meeting, Philadelphia, PA, October 17, 2009
- Co-moderator, The ACR Annual Meeting Session, Inflammatory Myopathies: Disease Mechanisms, Biomarkers and Treatment, San Francisco, CA, October 29, 2008.
- Co-organizer and co-moderator, The International Myositis Assessment and Clinical Studies (IMACS) Meeting, San Francisco, CA, October 27, 2008
- Co-organizer and co-moderator, The PANLAR Myositis Consortium meeting, Guatemala City, Guatemala, August 21, 2008
- Organizer and moderator, The International Myositis Genetics Consortium (MYOGEN) planning meeting, Boston, MA, November 9, 2007
- Co-organizer and co-moderator, The International Myositis Assessment and Clinical Studies (IMACS) Meeting, Boston, MA, November 10, 2007
- Organizer and moderator, The International Myositis Genetics Consortium (MYOGEN) organizational meeting, Washington, DC, November 13, 2006
- Co-organizer and speaker, The International Myositis Assessment and Clinical Studies (IMACS) Meeting, Update on Myositis Clinical Studies, Washington, DC, November 14, 2006
- Co-organizer and co-moderator, The PANLAR Myositis Consortium, Organizational meeting, Lima, Peru, August 21, 2006
- Co-organizer and moderator, The International Myositis Assessment and Clinical Studies (IMACS) Meeting, Update on Myositis Clinical Studies and the IMACS Data Repository, San Diego, CA, November 13, 2005
- Co-organizer and moderator, The ACR-EULAR International Myositis Classification Criteria Project Working Group Workshop, Dulles, VA, November 10-11, 2005
- Organizer and moderator, The ACR-EULAR International Myositis Classification Criteria Project Steering Group Workshop, Bethesda, MD, October 26, 2004
- Co-organizer, 3rd International Myositis Assessment and Clinical Studies Workshop, Planning for Myositis Clinical Studies and the IMACS Data Repository, Orlando, FL, October 25-26, 2003
- Member, Workshop Planning Committee, Environmental Factors in Autoimmune Diseases, National Institute of Environmental Health Sciences, Durham, NC, February 4-5, 2003.
- Co-organizer, 2nd International Myositis Assessment and Clinical Studies Workshop, Developing Consensus on Outcomes and Clinical Trial Design Issues in Adult and Juvenile Myositis, NIH Office of Rare Diseases, NIAMS, NINDS, NIEHS funded meeting, New Orleans, LA, October 22-23, 2002
- Co-organizer and moderator, 1st International Myositis Assessment and Clinical Studies Workshop, Defining Improvement in Adult and Juvenile Myositis, NIH Office of Rare Diseases, NIAMS, NINDS, and NIEHS funded meeting, San Francisco, CA, November 9th-10th, 2001

- Organizer and moderator, Approaches for Studying Possible Associations between Vaccinations and Rheumatic Disorders, American College of Rheumatology Environmentally Associated Rheumatic Disease Study Group Session, Philadelphia, PA, October 20, 2000
- Co-organizer and co-moderator, NIH Workshop on Basic and Clinical Research in Inflammatory Myopathy, NIAMS-sponsored meeting, Bethesda, MD, April 5-6, 2000
- Organizer and moderator, Defining The Environmental Causes for Autoimmune Diseases, American College of Rheumatology Environmentally Associated Rheumatic Disease Study Group Session, Boston, MA, November 14, 1999
- Organizer and moderator, Drug-Associated Rheumatic Diseases, American College of Rheumatology Environmentally Associated Rheumatic Disease Study Group Session, San Diego, CA, November 19, 1998.
- Co-Organizer and moderator, Biologic Agents for Autoimmune Diseases IV, Washington, DC, March 1995
- Co-Organizer and moderator, Immunology Session, FASEB meeting, Boston, MA. August, 1993

## **SELECTED EDITORIAL ACTIVITIES**

- Editorial Board, *PLoS ONE*, 2011 - present
- Associate Editor, *The Open Rheumatology Journal*, Bentham Science Publishers Ltd., 2007 – present
- Co-Editor, *Myositis and You: A Complete Family Guide to Juvenile Dermatomyositis and Other Inflammatory Myopathies*, The Myositis Association, Washington, 2007.
- Section Editor, Muscle Disease, *inPractice Rheumatology*, Clinical Care Options LLC, 2012- present
- Section Editor, Inflammatory Myopathies, *Rheumatic Disease Clinics North America*, 2001-2002
- Section Editor, Myositis and Myopathies, *Current Opinion in Rheumatology*, 1995-8

## **AD HOC REVIEWER FOR JOURNALS (SELECTED RECENT EXAMPLES)**

*Annals of Internal Medicine, Annals of Neurology, American Journal of Public Health, Arthritis & Rheumatism, Arthritis Care & Research, Arthritis Research and Therapy, BMC Musculoskeletal Disorders, Clinical Immunology, Current Rheumatology Reviews, Environmental Health Insights, Expert Review of Dermatology, Journal of Clinical Investigation, Journal of Clinical Rheumatology, Journal of Immunology, Journal of Rheumatology, Journal of the European Academy of Dermatology and Venereology, Journal of the National Cancer Institute, Lancet Neurology, Lupus, Nature Medicine, Nature Reviews Rheumatology, Neuromuscular Disorders, Nucleic Acids Research, PLoS ONE, Proceedings of the National Academy of Science, Rheumatology, Seminars in Arthritis and Rheumatism*

## **SELECTED INVITED LECTURES**

- Gordon Conference, Ventura, CA. Discussion leader: Free Radical Metabolites in the Initiation of Autoimmunity. February, 2014
- 5th International Myositis Workshop, Tokyo, Japan. Keynote speaker: International Research Initiatives in Inflammatory Muscle Disease. September, 2013
- American College of Rheumatology Annual Meeting, San Diego, CA, Controversies in the Criteria for Myositis, and Update on the International Myositis Assessment and Clinical Studies Group Scientific Committee. October, 2013



- 13th International Workshop on Scleroderma Research, Boston, MA. Identifying Environmental Factors in Autoimmune Disease, August, 2013
- American College of Rheumatology Annual Meeting, Washington, DC, Update on the International Myositis Assessment and Clinical Studies Group Scientific Committee, November, 2012
- Cure Juvenile Myositis Professional Meeting, Johns Hopkins Hospital, Baltimore, MD, New Developments in Understanding the Genetics of Myositis, October, 2012
- Society for Women's Health Research sponsored Roundtable, Washington, DC, Sex and Gender-Specific Environmental Exposures and Mechanisms in Autoimmune Disorders, October, 2012
- NIEHS Partners Meeting, RTP, NC, Update on the Environment and Autoimmune Diseases – What We Know and What We Need to Know, June, 2012
- Medical College of Wisconsin Grand Rounds, Milwaukee, WI, The Importance of Phenotypes in Deciphering the Clinical Presentations, Pathogenesis and Treatment of Myositis, April, 2012
- American Association of Immunology, National Meeting, NIEHS Symposium, Boston, MA, Environmental Risk Factors for Autoimmune Diseases, April, 2012
- South Atlantic National Research Conference, Raleigh, NC, The Role of Patient Support Groups in Community Research, March, 2012
- National Advisory Environmental Health Sciences Council Meeting, NIEHS, Research Triangle Park, NC, The Environment, Genetics and Age – The M $\acute{e}$ nage à Trios of Autoimmunity, February, 2012
- American College of Rheumatology Annual Meeting, Chicago, IL: The Environment and Autoimmune Diseases – Where We Stand in 2011; Epidemiology of the Antisynthetase Syndrome; Career Opportunities for Rheumatologists in Government; IMACS Scientific Committee - Proposals on Project and Manuscript Reviews; Genome-Wide Association Study of Dermatomyositis Reveals Shared Genetic Risk Factors with Other Autoimmune Diseases, November, 2011
- NIH ORD Cicatricial Alopecia Research Symposium, Bethesda, MD, Keynote Presentation - UV Radiation and Autoimmune Disease in Women, October, 2011
- New York Rheumatology Board Review Course, New York, NY, Update on Inflammatory and other Myopathies, September, 2011
- The Hospital for Special Surgery Grand Rounds, New York, NY, Myositis Revisited: New Developments in Pathogenesis and Therapy, July 2011
- DC Rheumatism Society Fellows Forum in Washington, DC, Plenary talk, Myositis 2011: Past, Present and Future, June, 2011
- NIH Neuromuscular Interest Group, Bethesda, MD, Close encounters with the myositis syndromes, May, 2011
- Advances in Targeted Therapies Meeting, Dubrovnik, Croatia, New approaches to understanding the pathogenesis, assessment and treatment of myositis, April, 2011
- Joint Canadian-Mexican Congress of Rheumatology, Cancun, Mexico, Update on therapies for myositis, February, 2011
- American College of Rheumatology Annual Meeting, Atlanta, GA, Myositis 2010, A to Z, November, 2010
- New York Rheumatology Board Review Course, New York, NY, Review of Inflammatory and other Myopathies, October, 2010
- NIH Office of Research on Women's Health Seminar Series, Bethesda, MD, Environmental Aspects of Autoimmune Diseases, October, 2010

- Virginia Society of Rheumatology Annual Meeting, Virginia Beach, VA. Myositis Pathogenesis, Assessment and Treatment, October, 2010
- Frontiers of Rheumatology, Mexico City, Mexico, Close encounters with the Myositis Syndromes, September, 2010
- NIH Summer Intern Training Program Speaker Series, Bethesda, MD, Why the Environment is Critical to Understanding Autoimmune Diseases, July, 2010.
- University of Alabama School of Medicine Grand Rounds, Birmingham, AL, New Developments in the Diagnosis, Pathogenesis and Management of Myositis, June 2010
- Autoimmune Diseases Summit: The Global State of Autoimmunity Today, Baltimore, MD, The Escalating Problem of Autoimmune Diseases: Investigating the Epidemic Increase in Incidence and Environmental Associations, March, 2010
- NIH Clinical Center Grand Rounds, Bethesda, MD, Phenotypes as Clues to Deciphering the Pathogenesis and Treatment of Myositis, February, 2010
- NIH Medical-Surgical Training Program, Bethesda, MD, Myositis 101 – The Essential Information You Need to Know to Care for Patients with Autoimmune Muscle Diseases, November 2009.
- New York Rheumatology Board Review Course, New York, NY, Update on Inflammatory and other Myopathies, October, 2009
- The First Myositis Association Research Symposium, Baltimore, MD, The Genetics of Myositis – the search for Elemental Disorders, January, 2009
- Washington Hospital Center, Dept. of Medicine Grand Rounds, Unweaving the Tapestry of Myositis One Patient at a Time, Washington, DC, January, 2009
- AUTOCURE 2008 Meeting, Prague, Czech Republic. Genetic risk and protective factors for the idiopathic inflammatory myopathies, December, 2008
- University of North Carolina Rheumatology Grand Rounds, Chapel Hill, NC, Myositis Pearls, Myths and Realities, November, 2008
- The Myositis Association Annual Meeting, Denver, CO, The Environment and Autoimmune diseases – Where we stand in 2008; and Myositis Research Highlights – What have we learned in the last 15 years. September, 2008
- The 15th Pediatric Rheumatology European Society Congress, London, UK, Dissecting Genotype-Phenotype Interactions in the Pathogenesis of Adult and Juvenile Myositis, September, 2008
- New York Rheumatology Board Review Course, New York, NY, Update on Inflammatory and other Myopathies, September, 2008
- NIEHS Public Interest Liaison Group Meeting, Washington, DC, NIEHS Translational Research in the Environment and Autoimmune Diseases, September, 2008
- The XV PANLAR Congress, Guatemala City, Guatemala, Plenary Session, New Insights into the Pathogenesis and Management of Myositis, August, 2008
- The Collaborative on Health and the Environment Online Presentation and Discussion Series, Environmental Factors in the Pathogenesis of Systemic Autoimmune Diseases, July, 2008
- Saint Louis University Medical Center Grand Rounds, Deconstructing Myositis – What we Know, What we Think we Know and What we Need to Know, St. Louis, MO, May 2008
- The Hospital for Special Surgery Grand Rounds, Close Encounters with the Myositis Syndromes, New York, NY, April 2008
- The 10th International Workshop on Autoantibodies and Autoimmunity, Guadalajara, Mexico, Environmental Aspects of Autoimmunity, March, 2008
- Cure Juvenile Myositis Meeting, Washington, DC, Genetics of Myositis – Current Status and New Opportunities, October, 2007
- New York Rheumatology Board Review Course, New York, NY, Update on Inflammatory and other Myopathies, September, 2007

- MYOPAIN 2007, Washington, DC, Disorders of Muscle Inflammation – Pathogenic Insights from Environmental and Epidemiologic Studies, August, 2007
- Puerto Rican Rheumatologist's Association International Meeting, San Juan, Puerto Rico. Dissecting Genotype-Phenotype Interactions in Myositis, May, 2007
- 6th International Rheumatology Symposium, Yokohama, Japan, Adventures in Inflammatory Muscle Diseases, April, 2007
- The Myositis Association Medical Advisory Board Annual Meeting, Washington, DC, Research Progress and Opportunities in Polymyositis and Dermatomyositis, January, 2007
- American College of Rheumatology Annual Meeting, Washington, DC, ACR Clinical Symposium, Developments in Myositis Response Criteria, November, 2006
- New York Rheumatology Board Review Course, New York, NY, Update on Inflammatory and other Myopathies, September, 2006
- XIV Congress of the Pan-American League of Associations for Rheumatology (PANLAR) Lima, Peru, Defining Risk Factors and Pathogeneses in Inflammatory Muscle Disease, August, 2006
- NIEHS Translation of Environmental Health Sciences Retreat, Chapel Hill, NC, Intramural Clinical Research and Approaches to Enhancing Translational Studies, June, 2005
- The Annual European League of Associations for Rheumatism (EULAR) Congress of Rheumatology, Vienna, Austria, Environmental Factors in Muscle Weakness, June, 2005
- Canadian Rheumatology Association National Meeting, Mont Tremblant, Quebec, The Dunlop-Dotteridge Plenary Lecture: Close Encounters with the Myositis Syndromes, March, 2005
- NIEHS Division of Intramural Research Retreat, New Bern, NC, Mini Symposium Environmental Aspects of Immune-Mediated Diseases, October, 2004
- NIAID Eosinophilia Myalgia Syndrome (EMS) Conference, Bethesda, MD. Genetic risk and protective factors for EMS, October 2004
- The Myositis Association Annual Conference, Las Vegas, NV, Talking with your Doctor about Myositis and Myositis 101, What Patients Need to Know, and Myositis Research Update, August, 2004
- Myopain 2004, Annual Meeting of the International Myopain Society, Munich, Germany, Plenary lecture: Deconstructing Myositis – From Bedside to Bench and Back Again, July, 2004
- Clinical Immunology Society (CIS) Spring School in Systemic Autoimmune Diseases Meeting, Santa Fe, New Mexico, Environmental and Genetic Aspects of Autoimmune Diseases: The Case for Elemental Disorders, March, 2004
- American College of Rheumatology Annual Meeting, Orlando, FL, Meet the Expert Session on Myositis and Myopathies; October, 2003
- The Myositis Association Annual Conference, Houston, TX, Translational Research on Myositis, from Bench to Bedside, October, 2003
- NIEHS Public Interest Liaison Group Meeting, New York, NY, Autoimmune Disorders and Environmental Factors, September, 2003
- The UK Myositis Support Group Annual Meeting, Birmingham, UK, Genetic and Environmental Risk Factors for Myopathies, June 2003
- Frontiers of Rheumatology - 21st Annual Carl M. Pearson Memorial Symposium, Huntington Beach, CA, Differential Diagnosis of Muscle Disease: How Useful are Genetic Markers, Myositis Antibodies and Imaging Studies? and Optimizing the Benefit/Risk Ratio in the Management of Inflammatory Myopathies, May, 2003
- The Henry Kunkel Society 11th Annual Meeting, New York, NY, Global Surface Ultraviolet Radiation Intensity Modulates the Clinical and Immunologic Expression of Autoimmune Muscle Disease, April, 2003

- The Royal Society of Medicine Kovacs Lectureship, London, UK, Myositis: Aetiology and management, March, 2003
- NIEHS Conference on Environmental Factors in Autoimmune Disease, Durham, NC, *Gene-Environment Interactions in Autoimmune Diseases*, February, 2003
- Mexican Society of Rheumatology Meeting, Nuevo Leon, Mexico, Plenary talk: News and Views on Managing Polymyositis and Dermatomyositis, February, 2003
- American College of Rheumatology Annual Meeting, New Orleans, LA, Meet the expert session on myositis and myopathies, and Environmentally Associated Rheumatic Diseases Study Group Session, Approaches to Evaluating Myopathies in Patients on Lipid-lowering Agents, October, 2002
- The Myositis Association of America Annual Conference, Atlanta, GA, How we diagnose Myositis; and Myositis overlap syndromes, September, 2002
- Michigan Rheumatism Society Bi-Annual Meeting, Ann Arbor, MI, Special lecture – Inflammatory myopathies through the looking glass of the myositis-specific autoantibodies, June, 2002
- University College, 2nd International Myositis Workshop, London, UK, Approaches to Assessing Disease Activity and Damage in Myositis, May, 2002
- The International Myopain Society, Scientific Interdisciplinary Working Group Annual Meeting, Munich, Germany, Plenary session: News and Views on Inflammatory Myopathies, May, 2002
- American College of Rheumatology Annual Meeting, San Francisco, CA, Meet the Expert Session on Myositis and Myopathies, November, 2001
- The Myositis Association of America Annual Conference, San Diego, CA, New Directions in Myositis Research, October, 2001
- University of Pittsburgh School of Medicine, Department of Medicine Grand Rounds, Pittsburgh, PA. Update on Clinical Presentation, Diagnosis, Pathogenesis and Management of Myositis, March, 2001
- WHO Exploratory Meeting of Epidemiology of Occupational and Environmental Factors Associated with Autoimmunity, Bilthoven, the Netherlands, Epidemiologic Studies of Autoimmune Diseases and the Environment, May, 2000
- Federal Interagency Working Group on Women's Health and the Environment Conference, DHHS, Washington, DC, Genetic and Environmental Determinants of Autoimmune Diseases, June, 1998

## BIBLIOGRAPHY

### Primary Publications in Peer-Reviewed Journals

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